

428099

17363

STATE OF MONTANA, } ss.  
County of Valley,

Filed for record

APR 10 1962

At 11:45 o'clock P. M.  
Mary Ann Eide  
County Recorder  
By Pauline Jackson Deputy

File No. \_\_\_\_\_

T. N R. 40 S. 25

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

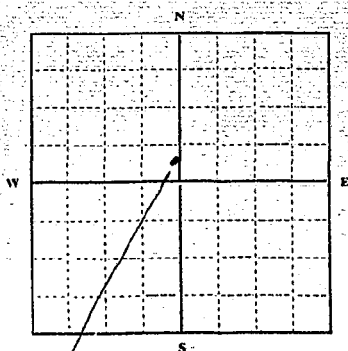
County Valley  
**RECEIVED**  
DEC 30 1963

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. \_\_\_\_\_ of \_\_\_\_\_  
(Name of Appropriator) (Address) (Town)  
County of \_\_\_\_\_ State of \_\_\_\_\_  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW  $\frac{1}{4}$  Sec. 25 T. 28 R. 40 F

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. \_\_\_\_\_
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. \_\_\_\_\_
4. The amount of groundwater claimed (in miner's inches or gallons per minute). \_\_\_\_\_
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. \_\_\_\_\_
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. \_\_\_\_\_

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. \_\_\_\_\_
8. The depth of water table. \_\_\_\_\_
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. \_\_\_\_\_
10. The estimated amount of groundwater withdrawn each year. \_\_\_\_\_
11. The log of formations encountered in the drilling of each well if available. \_\_\_\_\_
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. \_\_\_\_\_

Signature of Owner. \_\_\_\_\_

Date. \_\_\_\_\_

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate to the Appropriator.

16647

438699

18175

STATE OF MONTANA }  
County of Valley }

Filed for record

DEC 26 1963

at 2:15 P.M.  
MARY LOU EIDE Clerk & Recorder  
Valley County  
By \_\_\_\_\_ Deputy

File No.

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

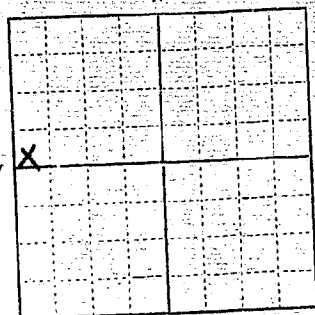
T. 28<sup>N</sup> R. 40<sup>E</sup>  
County Valley

RECEIVED  
DEC 26 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Conrad K. Peterson of Helena Mont  
(Name of Appropriator) (City) (State)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use in which the claim is based Agriculture
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Approx. 1900
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 8 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Not used presently
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Approx. 1900
8. The depth of water table Unknown - probably 35 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 75 feet deep
10. The estimated amount of groundwater withdrawn each year 250,000 gallons
11. The log of formations encountered in the drilling of each well if available Not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Conrad K. Peterson

Date 12-20-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

438541

18073

STATE OF MONTANA, { ss.  
County of Valley.

Filed for record

DEC 20 1963

at 10:00 o'clock A.M.

Mary Ann Miller  
County Recorder

Pauline Jackson  
Deputy

File No.

T. 28 N. 40 E.

DUPLICATE

County

Valley

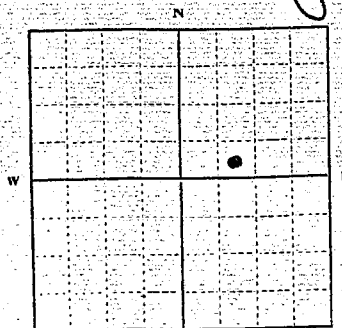
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 17 1964

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Low Ruth Mary, of Box 813 Shavano  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Lat 31  
N 1/4 E Sec. 27 T. 28 R. 40  
Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Acres
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1948
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal from pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1948
8. The depth of water table 12 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 45 feet 4 inch casing
10. The estimated amount of groundwater withdrawn each year 20,000 gal
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date

12-3-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37896

438851

18283

STATE OF MONTANA, } ss.  
County of Valley.

Filed for record

DEC 30 1963

at \_\_\_\_\_ of and \_\_\_\_\_ in

MARY LOU EIDE Clerk & Recorder

By \_\_\_\_\_ Valley County

RECEIVED  
STATE ENGINEER

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


T. 28 N R. 40 E 28  
County Dawson  
Owner Bert Langan Address Glasgow, Montana  
Driller R. C. Simpson Address Malta, Montana  
Date Started November 5, 1957 Date Completed Nov. 9, 1957  
Location: Sec. 2834 T. 28 R. 40 1/4 sec. NE 1/4 Sec 24

Type of well drilled Equipment used rotary  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 167 ft. Type screw joint Size 4 inch

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations none

Static Water level, for non-flowing well: 9 feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 15 feet at 12 gal. per min.

How tested: pump

Length of test one hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)



## Log of Well

[illegible]

15674

T. 28 N R. 40 E 28  
County Valley

STATE OF MONTANA  
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Bert Langan Address Glasgow, Montana  
Driller R. C. Simpson Address Malta, Montana  
Date Started November 1, 1957 Date Completed Nov. 4, 1957  
Location: Sec. 28 T. 28 R. 40 1/4 sec. S. 1/4 SW 1/4

Type of well drilled (Dig, driven, bored, or drilled) Equipment used rotary (Chain-drill, rotary, other)

Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 155 ft. Type screw joint Size 4-inch  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_  
Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. \_\_\_\_\_ to ft. \_\_\_\_\_ Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations none

Static Water level, for non-flowing well: 10 feet

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level 15 feet at 30 gal. per min.

How tested: pumped

Length of test 2 hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)

## Log of Well

STATE OF MONTANA,  
County of Valley.  
Filed for record  
1915  
at 11:30 o'clock A.M.  
County Recorder  
By Deputy

**15673**

File No.

T

28 N 40 R

DUPLICATE

County

Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

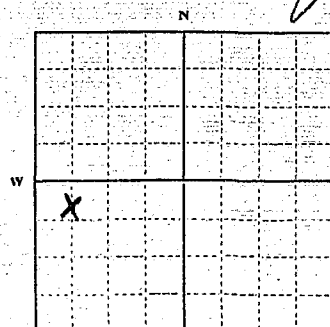
RECEIVED  
DEC 20 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Ludwig H. Lenz, of Helena Mont.  
(Name of Appropriator) (Address) (Town)

County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW SW  
1/4 Sec. 28 T. 28 R. 40

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Livestock & household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1904

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

Not used

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1904

8. The depth of water table 11 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 124 feet

10. The estimated amount of groundwater withdrawn each year 200,000

11. The log of formations encountered in the drilling of each well if available

Not available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Ludwig H. Lenz

Date

12-17-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

11081

438434

18043

STATE OF MONTANA, } ss.  
County of Valley.

Filed for record

DEC 18 1963

at 8:00 o'clock P.M.  
Mary Ann Eide  
Pauline Johnson Deputy

File No.

T

28°N 40°E

DUPLICATE

County

Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
JAN 17 1964

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

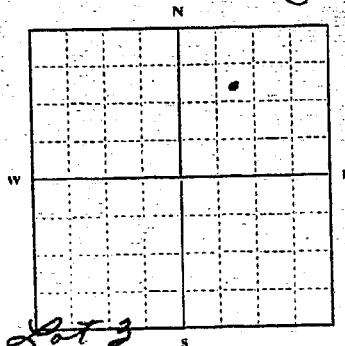
STATE ENGINEER

1. Pat May  
(Name of Appropriator)of Box 813  
(Address)

(Town)

County of ValleyState of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Box 3  
N. 1/4 E. Sec. 28 T. 28 R. 40

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based

Shrubbery

3. Date or approximate date of earliest beneficial use; and how continuous the use has been

1923 never any

4. The amount of groundwater claimed (in miner's inches or gallons per minute)

18 gallon per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

1/10 acre lawn & trees

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal

Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater

1923

8. The depth of water table

18 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

48 feet 4 inch casing

10. The estimated amount of groundwater withdrawn each year

20,000 gal

11. The log of formations encountered in the drilling of each well if available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date 12-30-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

37897

438852

18254

STATE OF ARIZONA,  
County of Valley.

And for record

DEC 30 1963

at \_\_\_\_\_  
By MARY LOU EIDE Clerk & Recorder  
Valley County





20443

STATE OF MONTANA }  
County of Valley }  
Filed for record

NOV 27 1970

nt 3:40 o'clock P.M.  
*Mary Louise*  
County Recorder  
By *Mary Louise* Deputy

R  
STATE

T. 28 N. R. 40 E 29

County Valley

STATE OF MONTANA  
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG


Owner Lanz Bros Address Glasgow, Montana

Driller H. C. Simpson Address Malta, Montana

Date Started October 18, 1957 Date Completed Oct. 31, 1957

Location: Sec. 29 T. 28 R. 40 1/4 sec.

Type of well drilled Equipment used rotary  
(Dug, driven, bored, or drilled) (Churn drill, rotary, other)

Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other: \_\_\_\_\_

Casing: 0 ft. to 246 ft. Type screw joint Size 4 inch I.D.

Casing: 228 ft. to 469 ft. Type welded joint Size 3 inch I.D.

Casing: \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Type \_\_\_\_\_ Size \_\_\_\_\_

Perforated or Screened: Ft. 349 to ft. 469 Ft. \_\_\_\_\_ to ft. \_\_\_\_\_

Type of screen or perforations 1/2 inch drilled holes

Static Water level, for non-flowing well: \_\_\_\_\_ feet.

Shut-in pressure, for flowing well: \_\_\_\_\_ lb./sq. in. on: \_\_\_\_\_ (date)

Pumping water level: \_\_\_\_\_ feet at \_\_\_\_\_ gal. per min.

How tested: \_\_\_\_\_

Length of test: \_\_\_\_\_

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

two canvas packers at 335 feet and two packers at 230 feet

well flowing 12 gallons per minute

(over)

### Log of Well

STATE OF MONTANA,  
County of Valley, ss.  
Filed for record  
NOV 25 1957  
I, John A. Clark, Clerk of said County, do hereby certify that the foregoing is a true and correct copy of the original as the same appears from the records of said County.  
Witness my hand and the seal of said County at Helena, Montana, this 25th day of November, 1957.  
By, John A. Clark, Clerk of said County.  
County Recorder  
Helena, Montana

156

File No. \_\_\_\_\_

T 28 N. R. 40 E. M. M.

DUPLICATE

County Valley

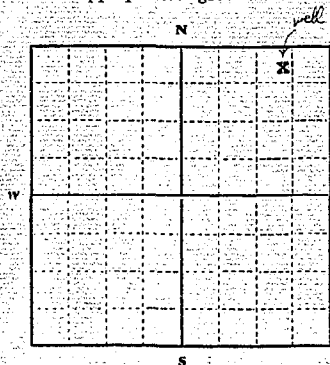
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 16 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

I, Frank and Laverne Rahlf, of Ft. Peck Route, Glasgow  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



2. The beneficial use on which the claim is based.  
human and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1, 1946 and continuous  
use since that date (this well replaced well  
at same site used continuously since 1920)

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Four inch pipe

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
not used for irrigation

NE 1/4 Sec. 29 T 28 N R 40 E. M. M.

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater July 1, 1946 (this well replaced well at same site used continuously since 1920)

8. The depth of water table 30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 inch casing and 87 feet in depth

10. The estimated amount of groundwater withdrawn each year 200000 gallons per year

11. The log of formations encountered in the drilling of each well if available none available

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record none

Signature of Owner

*Frank Rahlf*  
*Laverne Rahlf*

Date December 27 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

36823

438762

18208

STATE OF MONTANA, } ss.  
County of Valley,  
Filed for record

DEC 27 1963

By MARY LOUELE Clerk & Recorder  
Valley County  
Deputy

File No.

T 28 R 40

DUPLICATE

County Valley

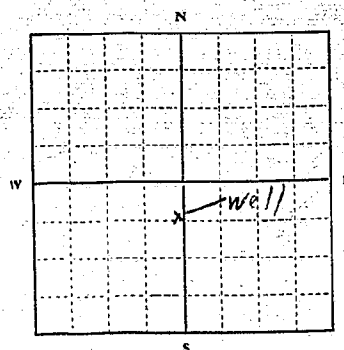
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 16 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Peter Nyquist, of Glasgow (Address) Valley (Town)  
(Name of Appropriator)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S. 1/4 Sec. 30. T. 28 R. 40.

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1950
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
none
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1950
8. The depth of water table 150 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater well - 150 feet pumped with 3 inch casing
10. The estimated amount of groundwater withdrawn each year 500,000 gals per year
11. The log of formations encountered in the drilling of each well if available  
none
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
none

Signature of Owner

Peter Nyquist

Date

December 27, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

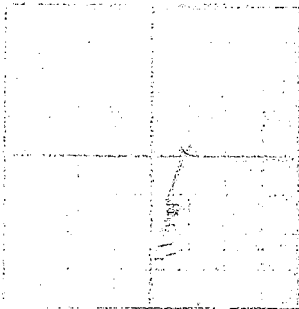
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

36819

438740

1819g



STATE OF MONTANA  
County of Valley

Filed for record

DEC 27 1963

10:15  
MARY LOU EIDE Clerk & Recorder  
Valley County

By \_\_\_\_\_ Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962.

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Anna Nyquist & Fabian Nyquist Est

Owner Anna Nyquist & Fabian Nyquist (Anna Nyquist)  
Address El Glasgow  
Mont.  
Date well started 8/25/70  
completed 8/28/70

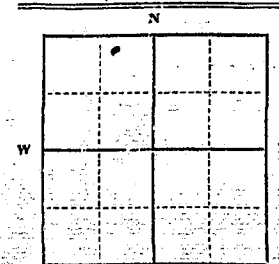
For Administrator's Use  
File 20-117  
September 1, 1970  
4:00 P.M.  
GW 1

Type of well drilled  
(Dug, driven, bored or drilled)  
Equipment used rotary  
(Churn drill, rotary or other)  
Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe \_\_\_\_\_  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 5/8	8 1/2 lb/ft 4 1/2 I.D.					



Static water level 24.6 in. ft.\*  
Pumping water level 32 ft.\*  
at 15 gallons per minute,  
measured 30 minutes after pumping began.  
\*Measured from ground level.  
Well developed by \_\_\_\_\_  
for 2 hours.  
Power \_\_\_\_\_ Pump \_\_\_\_\_ HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)

NE 1/4 NW 1/4 Sec 30  
T. 28 N. R. 40 W.  
282

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Walter Luce  
Driller's Address 1041 2nd Ave So.

LICENSE NO. 44

County Valley 30

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground		(Elev. above sea level)
From (Feet)	To (Feet)	
1	30	<u>quartz</u>
30	63	<u>quartz sand</u>
63	132	<u>blue clay</u>
132	138	<u>sand &amp; gravel</u>

138 Show exact depth of bottom

477439



County.....Valley.....30

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

# NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

form may be returned.  
~~Anna Nyquist & Fabian Nyquist Est~~

Owner Mrs. Peter Nyquist (Anna Nyquist)  
For Administrator's Use

Address Glasgow  
mont.

File 20417  
September 1, 1970  
4:00 P.M.

Date well started 8/25/70

GW 1

completed 8/28/70

Type of well drilled  
(Pug, driven, bored or drilled)

(Dug, driven, bored or drilled)

Equipment used rotary  
(Check drill, rotary or other)

1" brn drill, rotary or other

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

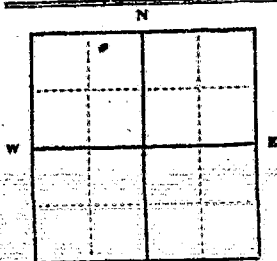
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

**\*Describe**

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

## ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Castor	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 3/8	8 1/2 lb					
	4 1/2 S.O.D.					



Static water level 24.6 ft.  
Pumping water level 32 ft.  
at 15 gallons per minute,  
measured 30 minutes after pumping  
began.

\*Measured from ground level.

Well-developed by  
for 2 hours.

Power Pump HF

Remarks: (Gravel packing, cementing packers, type of shutoff)

NE 1/4 NW 1/4 Sec 30  
T 28 N R 40 E

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Walter Euse

Driller's Address 1041 2nd Ave So.

LICENSE NO. 44

### DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

## Top of Ground

(Elev. above sea level)

[illegible]

138

Show exact depth of bottom

20417

STATE OF MONTANA }  
County of Valley } ss  
Filed for record

SEP - 1 1970

nt 4:20 o'clock P. M.  
Gray Lusk  
County Recorder  
Ex. Mauley Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Anna Nyquist & Fabian Nyquist, Est.

Owner Mrs. Peter Nyquist (Anna Nyquist)  
For Administrator's Use

Address El Lago

File 28-417  
September 1, 1970  
4:00 P.M.

Mont.

Date well started 8/25/70

GW 1

completed 8/28/70

Type of well drilled  
(Dig, driven, bored or drilled)

Equipment used rotary  
(Cable drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐

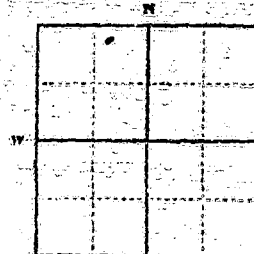
Industrial ☐ Drainage ☐ Other ☒ Garden/Lawn ☐

\*Describe containing huf calves in winter

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Pipe	From (Feet)	To (Feet)	CORROSIONS		
				Kind	From (Feet)	To (Feet)
<u>5 1/2"</u>	<u>8" pipe</u>					
	<u>1 1/2" OD</u>					



Static water level 24.6 in. ft.  
Pumping water level 3.2 ft.  
at 15 gallons per minute,  
measured 30 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by  
for 2 hours.  
Power        Pump        HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff)

NE 28 1/4 NW 40 Sec 30  
T 28 N R 40 E  
W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Walter Luse

Driller's Address 1044 1/2 rd. near So.

LICENSE NO. 44

County Valley

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

From (Feet)	To (Feet)	
<u>1</u>	<u>30</u>	<u>Gravel</u>
<u>30</u>	<u>63</u>	<u>Gravel and</u>
<u>63</u>	<u>132</u>	<u>Blue clay</u>
<u>132</u>	<u>138</u>	<u>Sand &amp; Gravel</u>

Show exact depth of bottom

138

9/7/70

File No. \_\_\_\_\_

RECEIVED  
JUN 14 1972

T. 22N R 40E 31

DUPLICATE

Top of Ground	(Elev. above sea level)
0	brown clay
4	sand some gravel
19	brown clay
35	blue clay
67	gravel
68	blue clay
97	some gravel
97	blue clay
124	sand some gravel
126	blue clay
135	dark shale
165	rock layer
166	dark shale
250	rock layer
250 1/2	dark shale
355	rock layer
356	grey shale
415	sandstone
447	rock layer
449	grey shale
455	grey sandstone
497	grey shale
505	grey sandstone

water

water

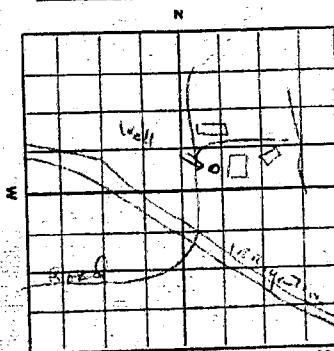
## Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)  
 Owner Bio Sky Livestock Inc. Address Glasgow, Montana  
 Driller Simpson Drilling Company Address Malta, Montana  
 Date of Notice of appropriation of ground water \_\_\_\_\_  
 Date well started April 14, 1972 Date Completed April 29, 1972  
 Type of well drilled Equipment used rotary  
 (dug, driven, bored or Churn, drill, rotary or drilled) other)  
 Water use: Domestic ☒ Municipal ☐ Stock ☒ Irrigation ☐  
 Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6 1/2	5" 15#	0	555	3/16 holes	415	555

Estimated annual withdrawal 40,075,000 gallons



Static Water Level for non-flowing well ground level feet.  
 Shut-in Pressure for Flowing Well \_\_\_\_\_  
 Pumping Water Level 33 feet  
 at 24 gal. per minute.  
 Discharge in gal. per min. of flowing well \_\_\_\_\_

How Tested bailer  
 Length of Test 2 hours  
 Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) \_\_\_\_\_

SW 1/4 NE 1/4 Sec. 31 T. 38 N. R. 40 E. MM  
 Indicate location of well and place of use, if possible. Each small square represents 10 acres.  
 cemented 300 to 356

Show exact depth of bottom.

Doc. No. 20651  
 Filed for record this 13th day of June  
 A. D. 19 72 at 8:00 o'clock A.

15  
 Driller's License Number \_\_\_\_\_  
 Driller's Signature Robert C. Simpson

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for Appropriator.

50,606

20651

STATE OF MONTANA }  
County of Valley } ss.  
Filed for Record

JUN 13 1972

8:00 o'clock A.  
Mary Lou Cole  
County Recorder  
By Mary Cole, Deputy

GW 2

1948a  
STATE WATER CONSERVATION BOARD Stock Form—State Publishing Co., Helena, Montana—4232

File No. ....

MAR 29 1966

T. 28 N. R. 40 E

DUPLICATE

LOG

 Billie \_\_\_\_\_ McDermott  
 Butler \_\_\_\_\_ McNulty  
 Co. \_\_\_\_\_ Morton  
 Darlington \_\_\_\_\_ Sullivan  
 Dickert \_\_\_\_\_
County Valley

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level 3200)

# Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Howard W. ITTMYER

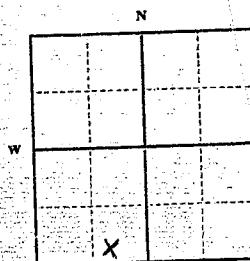
Owner Howard W. ITTMYER Address GlasgowDriller Carl B. Loe Address See

Date of Notice of appropriation of groundwater.....

Date well started 12/20/65 Date completed 3/12/66Type of well Drilled Equipment used Charn  
(Dug, Driven, bored or drilled) (Charn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 1/2"	4 1/2"	7-5	3-5			
	6 3/4"					
	2 1/2"	3-5	4-5	1/2 x 8"	4-23	4-23
	2 1/2"					

Static Water Level for non-flowing well 20 feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 67 feet  
at 10 gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested PressureLength of Test 2 1/2 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

 SE 1/4 SW Sec 31 T 28 R 40  
 Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

**USE**—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Driller's Signature

40928

1948

STATE OF MONTANA

STATE OF MONTANA } ss  
County of Valley.

Filed for record

MAR 28 1966

at 4:00 o'clock P. M.

*Theresa L. Brown*  
County Recorder

Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No. ....

T. 28 N. R. 40

DUPLICATE

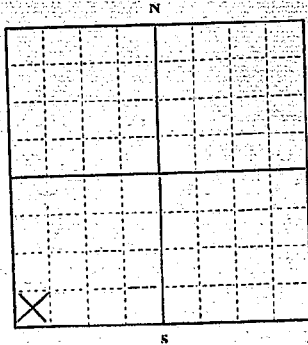
County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 30 1963

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

1. R. K. WITTMAYER of Glasgow  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW  $\frac{1}{4}$  SW Sec 31 T. 28 R. 40

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock well
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 - continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1930
8. The depth of water table 40 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 400' deep, 6" casing, 1 1/2" pipe
10. The estimated amount of groundwater withdrawn each year 3,000,000 gallons per year
11. The log of formations encountered in the drilling of each well if available Not Available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

*R. K. Wittmayer*  
Date December 19, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.



438643

18144

STATE OF MONTANA, } ss.  
County of Valley.

Filed for record

DEC 23 1963

4100  
MARY LOUISE Clerk & Recorder

Valley County

*Pauline Jackson*

File No. ....

T. 28 N R 40 E

DUPLICATE

County Valley**RECEIVED**

MAY 28 1973

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER**Notice of Completion of Groundwater  
Appropriation by Means of Well**  
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

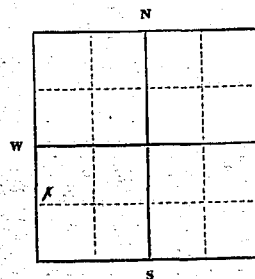
Owner Harold S. Smith Address GlasgowDriller Walter Luse Address Glasgow

Date of Notice of appropriation of groundwater.....

Date well started 4-28-73 Date completed 5-19-73Type of well..... Equipment used.....  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5 5/8	4 in. Slip on					

Static Water Level for non-flowing well  
36 1/2 in. from top .....feet.

Shut-in Pressure for Flowing Well.....feet.

Pumping Water Level 14 1/2 .....feet  
at 15 .....gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested Surge.....Length of Test 2 hrs......

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

SW NW 1/4 Sec. 32 T. 28 R. 40

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

**USE**—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Driller's Signature

53,247

20774

STATE OF MONTANA }  
County of Valley } ss.  
Filed for Record

MAY 23 1973

at 10:15 o'clock A. M.  
Mary Lou Bide  
County Recorder  
By Mary Lou Bide Deputy

File No. \_\_\_\_\_

T. 28 R. 40County Valley

DUPLICATE

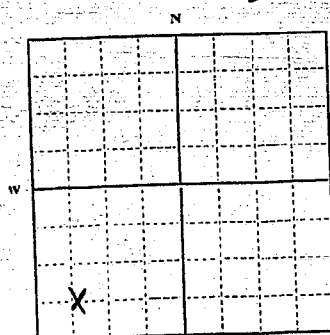
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 16 1964

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Raymond J. Stuenkel of Glasgow Mont.  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



S24 S24 T. 28 R. 40  
1/4 Sec. 32 T. 28 R. 40

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based  
Household and livestock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Approximately 1930
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 8 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Not used for land irrigation
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Approximately 1930
8. The depth of water table. 17 feet from top
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
120 feet deep
10. The estimated amount of groundwater withdrawn each year. Approximately 65,000 gallons
11. The log of formations encountered in the drilling of each well if available  
gravel, clay + loam
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
None

Signature of Owner Raymond J. StuenkelDate 12-31-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.

37137

439309

18716

STATE OF MONTANA, } ss.  
County of Valley.

Filed for record

DEC 31 1963

4-15 at Rock at  
MARY LOU EIDE Clerk & Recorder  
Valley County  
By \_\_\_\_\_ Deputy

GW

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No.

T

28 N 40 E

DUPLICATE

County

valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

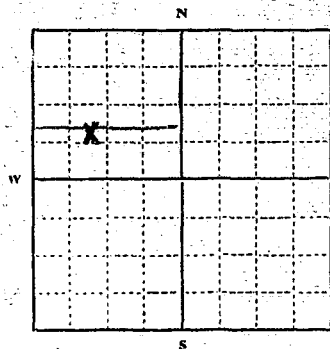
JAN 17 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Richard A. Weber DDS, Ft Peck Rte. Glasgow, Mont.  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N 1/2 Sec 32 T28 R. 40  
SW 1/4 NW 1/4  
Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Home, Stock  
Ferry.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1956

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 60 gal per min.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
200 A. N 1/2 SW NW Sec 32 T28 R. 40

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Art. 1st Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1956

8. The depth of water table 415'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4 1/2" pipe - 160 ft. land - 2" diam.  
ARTESIAN

10. The estimated amount of groundwater withdrawn each year 200,000

11. The log of formations encountered in the drilling of each well if available None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Richard A. Weber DDS.

Date

Dec. 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.

38073

439034

18461

STATE OF MONTANA,  
County of Valley.

Filed for record

DEC 30 1963

By 4125 Clerk P. M.

By MARY LOU ELLIOTT Clerk & Recorder  
Valley County

GW

Approved Stock Form—State Publishing Co., Helena, Montana 41138

File No. \_\_\_\_\_

T. 28 N. 40 E.

DUPLICATE

County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

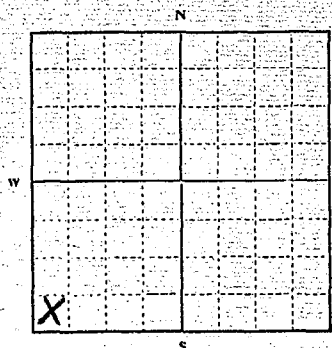
JAN 16 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

MAE WITTMAYER

1. Robert T. Wittmayer of Glasgow Mont  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 SW Sec. 22 T. 28 N. R. 40 E.

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Stock and farm house
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1935  
continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Well  
Hand pump - located per map

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1935
8. The depth of water table 30 feet
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 70' deep, 4" casing, 1 1/2" pipe
10. The estimated amount of groundwater withdrawn each year 750,000 gallons per year
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Robert WittmayerDate 12-30-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triuplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

36759



439119

18533

STATE OF IOWA  
County of [illegible]  
[illegible]

DEC 31 1963

1145 2  
MARY LOU [illegible] Recorder  
Valley County

1145-2

1145-2

1145-2

1145-2

1145-2

File No.

DUPLICATE

T. 28 N. R. 40 E.

County

Valley

## STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

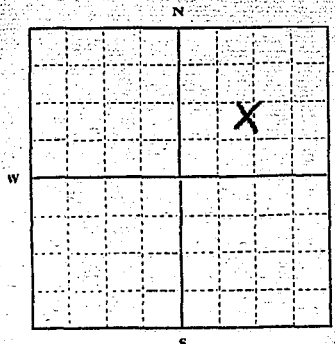
JAN 16 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Bernard & Claudia Blomer, of Nashua  
 (Name of Appropriator) (Address) (Town)

County of Valley State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 NE 1/4 Sec. 34 T. 28 R. 40

Indicate point of appropriation  
 and place of use, if possible. Each  
 small square represents 10 acres.

2. The beneficial use on which the claim is based Stock use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been drilled in 1930's, Seasonal
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 3 1930's
8. The depth of water table. 3 30 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. drilled, six inch, 1 hundred feet approx.
10. The estimated amount of groundwater withdrawn each year. 1/2 million gallons
11. The log of formations encountered in the drilling of each well if available. None available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Mrs. Clara Durrell  
Guardian

Date 12-31-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triuplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

37046

439209

18621

STATE OF MONTANA,  
County of Valley.

Filed for record

DEC 31 1963

400 0000  
MARY LOU ~~RECORDS~~ Recorder  
Valley County, MT

RECORDED & INDEXED

VALLEY

X

VALLEY

2000

RECORDED & INDEXED

VALLEY

BY

GV

Approved Stock Form—State Publishing Co., Helena, Montana—41338

File No. ....

T 28N R 40E, M.M.

DUPLICATE

County Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 13 1963

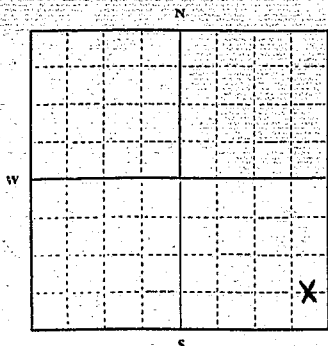
Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1961)

Ross C. Dorr

RR No. 1

Nashua

1. (Name of Appropriator) of (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 Sec. 35, T28N R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based Household,  
stock water and irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1915; continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 800 gallons per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
Owner is Ross C. Dorr; description is SE 1/4 Sec. 35, Twp. 28 N, Rge. 40 E
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1915
8. The depth of water table 39 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
6" casing 45 ft deep 8 ft. of water in casing
10. The estimated amount of groundwater withdrawn each year not known
11. The log of formations encountered in the drilling of each well if available  
not available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner Ross C. DorrDate DEC 10, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

8983

438217

17974

STATE OF MONTANA  
County of Valley  
Filed for record

DEC 11 1963

at 3:00 P.M.  
Mary Lou Bude  
County Recorder  
Pauline Peterson Deputy

GW 2

MONTANA WATER RESOURCES BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—42325

RECEIVED

File No.

OCT 25 1967

T. 28 N. R. 40 E

DUPLICATE

County Valley

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level.....)

Notice of Completion of Groundwater  
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner..... Address.....

Driller..... Address.....

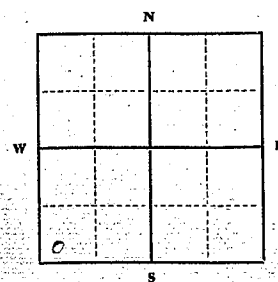
Date of Notice of appropriation of groundwater.....

Date well started..... Date completed.....

Type of well..... Equipment used.....  
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☒ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
5" 5/8"	4" 1/2" 100 lb. 10 ft.					

Static Water Level for non-flowing well  
30 ft. 6 in. feet.

Shut-in Pressure for Flowing Well.....

Pumping Water Level 32 ft. 6 in. feet  
at..... gal. per minute.

Discharge in gal. per min. of flowing well.....

How Tested.....

Length of Test.....

Remarks: (Gravel packing, cementing, packers, type of shutoff).....

SW 1/4 Sec 36, T. 28 N. R. 40 E.  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Driller's Signature

42,439

M- 19845

STATE OF MONTANA,  
County of Valley,  
Filed for record

OCT 24 1967

at 11:00 o'clock A. M.  
Mary Louise  
County Recorder  
Shirley Weigle Deputy


GV

Approved Stock Form—State Publishing Co., Helena, Montana—38587

File No.

432125

DUPLICATE

T. 30

R. 37 E

County

Valley

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

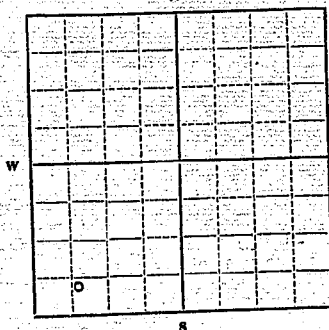
RECEIVED  
14 1962

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Great Northern Railway Company, of 175 E. 4th St., St. Paul, Minnesota  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  Sec. 15 T30N. R. 37E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

Location of Well at  
Vandalia

(see reverse side for location of other four wells)

2. The beneficial use on which the claim is based Railroad  
purposes
3. Date or approximate date of earliest beneficial use; and how continuous the use has been March 4, 1918
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 200 GPM
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
N/A
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Wells at Vandalia, Glasgow, Nashua, Frazer and Oswego
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater February 26, 1918 - March 4, 1918
8. The depth of water table Static level - 28'
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4" drilled well - 83' deep - cased to 79'
10. The estimated amount of groundwater withdrawn each year 200,000 gallons
11. The log of formations encountered in the drilling of each well if available See attached log sheet.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Well at Frazer not presently being used.

GREAT NORTHERN RAILWAY COMPANY

Signature of Owner By: N. H. Holmgren  
Superintendent of the Butte Division  
Date: 7-2-62

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

2724



1. The name of the well

2. The date of completion of the well and the location of the well (if the well is not on the map, the location of the well should be given in the notes)

3. The name of the well

4. The date of completion of the well

NE 1/4 Sec. 18 T28N R14E


Location of Well at  
Glasgow

3. May 23, 1946
4. 60 GPM
7. April 23, 1946 - May 23, 1946
8. Well flows at 10 GPM
9. 8" - 6" drilled well - 325' deep - cased to 216' with 8" - 165' of 6" inside 8" to bottom.
10. 1,000,000 gallons
11. See attached log sheet.

NE 1/4 Sec. 28 T28N R14E


Location of Well at  
Frazer

3. N/A
4. N/A
7. N/A
8. N/A
9. 21" Well - 35' Deep - At stockyard
10. 200,000 gallons
11. See attached log of test holes in the location grounds.

5. The name of the well

6. The date of completion of the well

7. The location of the well (if the well is not on the map, the location of the well should be given in the notes)

NE 1/4 Sec. 36 T28N R14E


Location of Well at  
Nashua

3. N/A
4. N/A
7. N/A
8. N/A
9. 27" Well - 35' Deep - Curbed with Vit. Pip
10. 200,000 gallons
11. N/A

NE 1/4 Sec. 35 T28N R14E


Location of Well at  
Oswego

3. July 1960
4. 10 GPM
7. Completed in July 1960
8. Static level - 22'
9. 6" drilled well - 75' deep - cased 60' 6"
10. 200,000 gallons
11. See attached log sheet.



OW

File No.

DUPLICATE

T. 28 N. R. 41 E.

County. Valley

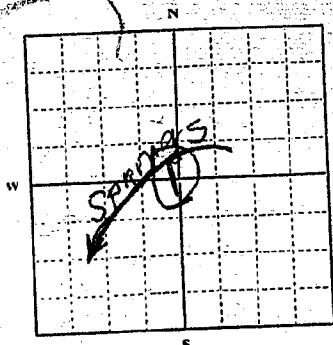
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 16 1964

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Charles H. Brocksmith of Box 69, Glasgow, Montana  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



1/4 ALL Sec. T28 R. 41

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Stock water springs
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1928 continuous use since  
also used prior to that date
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 Gal. Per minute flowing  
( 50 Gal Per minute flowing)
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal surface  
of six springs located along coulees per map
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1928 used prior and continuously since  
in 1961 4' deep and 10' across  
5 excavations made
8. The depth of water table water flows to surface
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Natural spring
10. The estimated amount of groundwater withdrawn each year 50 Gal per year  
minute  
year long
11. The log of formations encountered in the drilling of each well if available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner Charles H. BrocksmithDate 12/31/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Quadruplicate for the Appropriator.

37089

439252

18664

STATE OF MONTANA,  
County of Valley.

Filed for record

DEC 31 1963

4:30 P. M.

RECEIVED  
County Clerk's Office  
By \_\_\_\_\_

File No. \_\_\_\_\_

T27+28 R41 E

DUPLICATE

County Valley

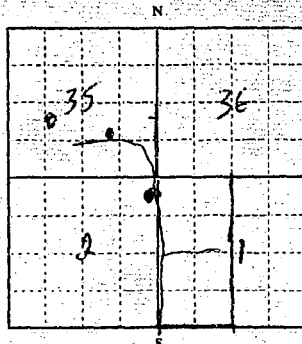
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

JAN 16 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Elen and Winnie Davis, of Nashua  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



N.E. 1/4 Sec. 1 T27 R41

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based household  
stock water and irrigation

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been 1947 continuous

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 10,000

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
40 A Lot 4 Sec 1 Twp 27 R 41  
Elen and Winnie Davis

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal gasoline  
engine and electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Sept 1st 1947 Sept last part 1947

8. The depth of water table 60 ft 150 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater 7 in 60 ft electric pump

10. The estimated amount of groundwater withdrawn each year 66,000

11. The log of formations encountered in the drilling of each well if available NONE

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record NOT APPLICABLE

Jessie Helgeson  
My Co. \_\_\_\_\_

Signature of Owner Winnie Davis + est -Date Dec. 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

37108

439272

18684

STATE OF MICHIGAN } ss.  
County of Valley

Plat 18684

DEC 3 1963

at 445- of the P. M.  
MARY LOU LEE Clerk & Recorder  
Valley County

By \_\_\_\_\_ Deputy

GW

## STATE WATER CONSERVATION BOARD

Approved Stock Form—State Publishing Co., Helena, Montana—42234

File No. NO. 34-1965T. 28 N. 41 E.County VALLEY

DUPLICATE

Bills \_\_\_\_\_

McDermott \_\_\_\_\_

Butterfield \_\_\_\_\_

McIntyre \_\_\_\_\_

Coyll \_\_\_\_\_

Morton \_\_\_\_\_

Darrington \_\_\_\_\_

Sullivan \_\_\_\_\_

Dickerl \_\_\_\_\_

STATE OF MONTANA

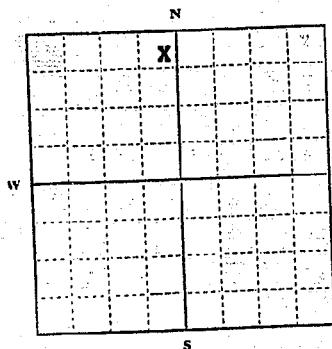
ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. GRACE LAE WEST, of BOX 135 GLASGOW  
 (Name of Appropriator) (Address) (Town)  
 County of VALLEY State of MONTANA  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NENW,  
~~SW~~ Sec. 4, T28 S. R. 41  
 Indicate point of appropriation  
 and place of use, if possible. Each  
 small square represents 10 acres.

2. The beneficial use on which the claim is based. HOUSE, LIVESTOCK, GARDEN
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1907
4. The amount of groundwater claimed (in miner's inches or gallons per minute) \_\_\_\_\_
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Garden near house and near well
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal PUMP
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1907
8. The depth of water table. 40
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 40 feet, cased, 4 ft. by 4 ft. curbing, dug.
10. The estimated amount of groundwater withdrawn each year. depending on number of livestock and house use and garden irrigation.
11. The log of formations encountered in the drilling of each well if available. region, etc.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.

Signature of Owner

Grace Lae WestDate 21 NOVEMBER 1965

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

39908

19352

STATE OF MONTANA } ss  
County of Valley.  
Filed for record

NOV 24 1965

2:15 o'clock P. M.  
Mary Lou Bude  
County Recorder  
By Dora Aldern Dep.



File No. \_\_\_\_\_

DUPLICATE

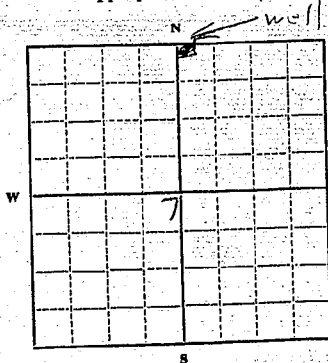
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 28 N 41 E  
County Valley

RECEIVED  
JAN 2 1963

70 SYU W  
Hanson  
**Declaration of Vested Groundwater Rights** STATE ENGINEER  
(Under Chapter 237, Montana Session Laws, 1961)

1. Everett Breigonzel of R166 Glasgow  
(Name of Appropriator) (Address) (Town)  
County of Valley State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE 1/4 Sec. 7 T28 R4

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based for stock & home use
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1910 - 1952  
and as designated in 2
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallon per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1910 - 1952
8. The depth of water table 60 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
10. The estimated amount of groundwater withdrawn each year 300,000 gallons
11. The log of formations encountered in the drilling of each well if available None available
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record Original hand dug  
from well 30 ft below, 6 in casing

Signature of Owner

Everett BreigonzelDate Dec 31, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

3031

432381

17569

STATE OF MONTANA, } ss.  
County of Valley,

Filed for record

DEC 31 1962

At 10:30 o'clock A.M.

Mary Lou Cuth  
County Recorder

B. Pauline Johnson Deputy

File No.

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

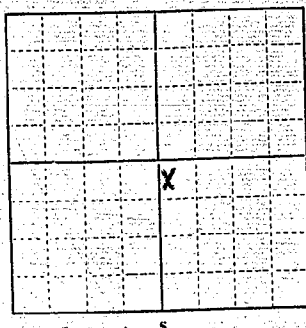
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

T. 28 N. 41 E.  
County: **RAVENS**  
DEC 20 1963

STATE ENGINEER

1. EUGENE J. KNAFF, of RR-1 Box 60 GLASSBORO  
(Name of Appropriator) (Address) (Town)  
County of VALLEY State of MONTANA  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW SE 1/4 Sec. 8 T28 R41

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based House  
+ LIVE STOCK
3. Date or approximate date of earliest beneficial use; and how continuous the use has been JAN 1, 1951  
EVERY DAY SINCE DRILLED
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 GAL PER MINUTE
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
NO IRRIGATION
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal (1 well)  
SMALL PRESSURE PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater DEC. 1, 1950 COMPLETED  
ABOUT JAN 1, 1951
8. The depth of water table 60 F.T.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.  
IT HAS A 18 in GALVANIZED  
WELL CURBING ALL THE WAY TO WATER  
DUG WITH AUGER
10. The estimated amount of groundwater withdrawn each year 36,500
11. The log of formations encountered in the drilling of each well if available FIRST  
ABOUT 30 FT CLAY THEN SAND + GRAVEL  
TO BOTTOM
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record NOT MUCH WATER  
IN FLOW IS TO SLOW

Signature of Owner

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

11092

438452

18054

11-10-1963

RECEIVED BY COUNTY CLERK

RECEIVED BY COUNTY CLERK

STATE OF MONTANA, } ss.  
County of Valley,  
Filed for record

DEC 18 1963

at 3:00 o'clock P. M.  
Mary Lou Eide  
County Recorder  
Pauline Jacobson Deputy